The property certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV622662722US, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Docket No.: 337348021US (PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Gliner et al.

Application No.: 09/978,134

Filed: October 15, 2001

Art Unit: 3762

Confirmation No.: 4196

Examiner: R. D. Bradford

For: SYSTEMS AND METHODS FOR

AUTOMATICALLY OPTIMIZING STIMULUS PARAMETERS AND

ELECTRODE CONFIGURATIONS FOR

NEURO-STIMULATORS

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (IDS)

MS Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed more than three months after the U.S. filing date, OR more than three months after the date of entry of the national stage of a PCT application, AND after the mailing date of the first Office Action on the merits, whichever occurs first, but before the mailing date of a Final Office Action or Notice of Allowance (37 CFR 1.97(c)).

Application No.: 09/978,134 Docket No.: 337348021US

Copies of the foreign and non-patent references on the PTO/SB/08 are provided.

Our check in the amount of \$405.00 covering the fee set forth in 37 CFR 1.17(a)(2) and 1.17(p) is enclosed. The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 50-0665, under Order No. 337348021US.

Dated: July 25, 2005

Respectfully submitted,

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PTO/SB/08a/b (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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"	ballate for form 144074 Bit	.0		Application Number	09/978,134-Conf. #4196	
l II	NFORMATIO	N DIS	CLOSURE	Filing Date	October 15, 2001	
5	STATEMENT	BY A	PPLICANT	First Named Inventor	Bradford E. Gliner	
				Art Unit	3762	
	(Use as many sheets as necessary)			Examiner Name	R. D. Bradford	
Sheet	1	of	2	Attorney Docket Number	337348021US	

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Examiner Initials*	Examiner Cité		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-2003-0114886-A1	06-19-2003	Bruce Gluckman	
			10-02-2003	Greenberg et al.	
		US-20030125772-A1	05-04-2004	Olson et al.	
	 -	US-20030176901-A1	09-18-2003	Mav	
	<u> </u>	1.	12-02-2004		
		US-20040236388-A1	11-25-2004	Gielen et al.	
				Singhal et al.	
,	-			Donovan et al.	
		US-20050113882-A1	05-26-2005	Cameron et al.	
			06-02-2005		
		US-4,474,186	10-02-1984		
		US-5,121,754	06-16-1992		
		US-5,299,569		Wernicke et al.	
		US-5,406,957	04-18-1995		
	<u> </u>	US-5,522,864		Wallace et al.	
	i	US-5,674,251	10-07-1997	Combs et al.	
		US-5,713,922	02-03-1998	GARY W. KING	
	1	US-5,772,591	06-30-1998	JEFFREY R. CRAM	
		US-6,006,124	12-21-1999	ROBERT E. FISCHELL	
		US-6,035,236	03-07-2000	Jarding et al.	
		US-6,128,538	10-03-2000	ROBERT E. FISCHELL	
		US-6,205,360	03-20-2001	Carter et al.	
		US-6,221,908	04-24-2001	MICHAEL P. KILGARD	
		US-6,301,493	10-09-2001	Marro et al.	
		US-6,339,725	01-15-2002	Naritoku et al.	
-		US-6,375,666	04-23-2002	Mische	
		US-6,487,450	11-26-2002	Chen	
		US-6,505,075	01-07-2003	Weiner	
		US-6,507,755	01-14-2003	Gozani et al.	
		US-6,665,562-A1	12-16-2003	Gluckman et al.	
		US-6,764,498-A1			
		US-6,782,292-A1	08-24-2004	Whitehurst	
		US-6,810,286-A1	10-26-2004	Donovan et al.	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			
		EP-1180056	09-02-2000	Winder				
		WO-02/38217	05-16-2002	Neuropace, Inc.				

Examiner	 Date	
Signature	 Considered	



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IN	IFORMATION	I DI	SCLOSURE	Filing Date	October 15, 2001	
STATEMENT BY APPLICANT				First Named Inventor	Bradford E. Gliner	
				Art Unit	3762	
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Sheet	2	of	2	Attorney Docket Number	337348021US	

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		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	r Cite No.1 Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher and/or country where published.		T²
		BEHRENS, T. et al., "Non-invasive mapping of connections between human thalamus and cortex using diffusion imaging," Nature neuroscience, Vol 6, No. 7, pp 750-757, July 2003	
		Chapter 18/ The Functional Organization of Perception and Movement, pg 347	
		Color Picture of the Brain (1 pg) date unknown	
,		DI LAZZARO, V. et al., "Theta-burst repetitive transcranial magnetic stimulation suppress specific excitatory circuits in the human cortex," Physiology in Press; published online on April 21, 2005 as 10.1113/physiol.2005.087288	
	-	KILGARD, Michael et al., "Cortical Map Reorganization Enabled by Nucleus Basalis Activity," Science, Vol 279, pp 1714-1717, March 13, 1998	
		LAZAR, M. et al., "White Matter Tractography Using Diffusion Tensor Deflection," Human Brian Mapping, 18:306-321 (2003)	
		Part IV/The Neural Basis of Cognition, page 342	
		STRENS, Lucy et al., "The Ipsilateral Human Motor Cortex Can Functionally Compensate for Acute Contralateral Motor Cortex Dysfunction, " Current Biology, Vol 13, pp 1201-1205, July 15, 2003	
		TSUBORKAWA, T., "Chronic Motor Cortex Stimulation in Patients with Thalamic Pain," J. Neurosurg 78:393-401, March 1993	
		TUCH, D. et al., "Conductivity Tensor Mapping of the Human Brain Using Diffusion Tensor MRI," Neurobiology, Vol. 98, No. 20, pp. 11697-11701, September 25, 2001	

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